

#2

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/919,703

DATE: 08/13/2001  
 TIME: 11:41:49

Input Set : A:\50216.003004.SEQLIST.TXT  
 Output Set: N:\CRF3\08132001\I919703.raw

ENTERED

4 <110> APPLICANT: Krystal, Gerald  
 5 Rabkin, Simon W.  
 7 <120> TITLE OF INVENTION: Peptides and Their Use to Ameliorate  
 8 Cell Death  
 10 <130> FILE REFERENCE: 50216/003004  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/919,703  
 C--> 12 <141> CURRENT FILING DATE: 2001-07-31  
 12 <150> PRIOR APPLICATION NUMBER: US 09/294,457  
 13 <151> PRIOR FILING DATE: 1999-04-19  
 15 <150> PRIOR APPLICATION NUMBER: US 08/759,599  
 16 <151> PRIOR FILING DATE: 1996-12-05  
 18 <150> PRIOR APPLICATION NUMBER: US 60/008,233  
 19 <151> PRIOR FILING DATE: 1995-12-06  
 21 <160> NUMBER OF SEQ ID NOS: 16  
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 6  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Artificial Sequence ✓  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
 33 <400> SEQUENCE: 1  
 34 Ser Val Asp Val Glu Tyr  
 35 1 5  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 6  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence ✓  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
 46 <400> SEQUENCE: 2  
 47 Tyr Val Asp Val Asp Thr  
 48 1 5  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 6  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Artificial Sequence ✓  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
 59 <400> SEQUENCE: 3  
 60 Thr Val Asp Val Glu Tyr  
 61 1 5  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 11  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Artificial Sequence ✓  
 69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Synthetic polypeptide  
72 <400> SEQUENCE: 4  
73 Tyr Val Asp Val Asp Thr Asn Glu Leu Leu Lys  
74 1 5 10  
77 <210> SEQ ID NO: 5  
78 <211> LENGTH: 16  
79 <212> TYPE: PRT  
80 <213> ORGANISM: Artificial Sequence  
82 <220> FEATURE:  
83 <223> OTHER INFORMATION: Synthetic polypeptide  
85 <400> SEQUENCE: 5  
86 Ser Val Asp Val Glu Tyr Thr Val Gln Phe Thr Pro Leu Asn Pro Asp  
87 1 5 10 15  
90 <210> SEQ ID NO: 6  
91 <211> LENGTH: 20  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial Sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: Synthetic polypeptide  
98 <400> SEQUENCE: 6  
99 Ser Val Asp Val Glu Tyr Thr Gln Phe Thr Asp Phe Arg Gly Lys Leu  
100 1 5 10 15  
101 Thr Lys Leu Leu  
102 20  
105 <210> SEQ ID NO: 7  
106 <211> LENGTH: 21  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Synthetic polypeptide  
113 <400> SEQUENCE: 7  
114 Ser Val Asp Val Glu Tyr Thr Val Gln Phe Thr Pro Leu Asn Pro Asp  
115 1 5 10 15  
116 Asp Asp Phe Arg Pro  
117 20  
120 <210> SEQ ID NO: 8  
121 <211> LENGTH: 20  
122 <212> TYPE: PRT  
123 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Synthetic polypeptide  
128 <400> SEQUENCE: 8  
129 Tyr Val Asp Val Asp Thr Asn Glu Leu Leu Lys Ser Glu Gln Leu Leu  
130 1 5 10 15  
131 Thr Ala Ser Glu  
132 20  
135 <210> SEQ ID NO: 9  
136 <211> LENGTH: 20  
137 <212> TYPE: PRT

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138 <213> ORGANISM: Artificial Sequence ✓  
140 <220> FEATURE:  
141 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
143 <400> SEQUENCE: 9  
144 Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg  
145 1 5 10 15  
146 Thr Gly Asp Arg  
147 20  
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151 <211> LENGTH: 20  
152 <212> TYPE: PRT  
153 <213> ORGANISM: Artificial Sequence ✓  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
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160 1 5 10 15  
161 Lys Glu Ala Glu  
162 20  
165 <210> SEQ ID NO: 11  
166 <211> LENGTH: 20  
167 <212> TYPE: PRT  
168 <213> ORGANISM: Artificial Sequence ✓  
170 <220> FEATURE:  
171 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
173 <400> SEQUENCE: 11  
174 Glu Val Thr Glu Glu Glu Glu Thr Val Pro Leu Lys Thr Leu Glu Ala  
175 1 5 10 15  
176 Met Ile Asp Glu  
177 20  
180 <210> SEQ ID NO: 12  
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183 <213> ORGANISM: Artificial Sequence ✓  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
188 <400> SEQUENCE: 12  
189 Ile Ala Gly Pro Glu Trp Leu Leu Asp Arg Pro Ser Val Asn Asn Ser  
190 1 5 10 15  
191 Gln Leu Val Val Ser Val Ala Gly Thr Val Gly Thr Asn Gln Asp Ile  
192 20 25 30  
193 Ser Leu Lys Phe Phe Glu Ile Asp Leu Thr Ser Arg Pro Ala His Gly  
194 35 40 45  
195 Gly Lys Thr Glu Gln Gly Leu Ser Pro Lys Ser Lys Pro Phe Ala Thr  
196 50 55 60  
197 Asp Ser Gly Ala Met Ser His Lys Leu Glu Lys Ala Asp Leu Leu Lys  
198 65 70 75 80  
199 Ala Ile Gln Glu Gln Leu Ile Ala Asn Val His Ser Asn Asp Asp Tyr  
200 85 90 95

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201 Phe Glu Val Ile Asp Phe Ala Ser Asp Ala Thr Ile Thr Asp Arg Asn  
 202 100 105 110  
 203 Gly Lys Val Tyr Phe Ala Asp Lys Asp Gly Ser Val Thr Leu Pro Thr  
 204 115 120 125  
 205 Gln Pro Val Gln Glu Phe Leu Leu Ser Gly His Val Arg Val Arg Pro  
 206 130 135 140  
 207 Tyr Lys Glu Lys Pro Ile Gln Asn Gln Ala Lys Ser Val Asp Val Glu  
 208 145 150 155 160  
 209 Tyr Thr Val Gln Phe Thr Pro Leu Asn Pro Asp Asp Asp Phe Arg Pro  
 210 165 170 175  
 211 Gly Leu Lys Leu Thr Lys Leu Leu Lys Thr Leu Ala Ile Gly Asp Thr  
 212 180 185 190  
 213 Ile Thr Ser Gln Glu Leu Leu Ala Gln Ala Gln Ser Ile Leu Asn Lys  
 214 195 200 205  
 215 Asn His Pro Gly Tyr Thr Ile Tyr Glu Arg Asp Ser Ser Ile Val Thr  
 216 210 215 220  
 217 His Asp Asn Asp Ile Phe Arg Thr Ile Leu Pro Met Asp Gln Glu Phe  
 218 225 230 235 240  
 219 Thr Tyr Arg Val Lys Asn Arg Glu Gln Ala Tyr Arg Ile Asn Lys Lys  
 220 245 250 255  
 221 Ser Gly Leu Asn Glu Glu Ile Asn Asn Thr Asp Leu Ile Ser Leu Glu  
 222 260 265 270  
 223 Tyr Lys Tyr Val Leu Lys Lys Gly Glu Lys Pro Tyr Asp Pro Phe Asp  
 224 275 280 285  
 225 Arg Ser His Leu Lys Leu Phe Thr Ile Lys Tyr Val Asp Val Asp Thr  
 226 290 295 300  
 227 Asn Glu Leu Leu Lys Ser Glu Gln Leu Leu Thr Ala Ser Glu Arg Asn  
 228 305 310 315 320  
 229 Leu Asp Phe Arg Asp Leu Tyr Asp Pro Arg Asp Lys Ala Lys Leu Leu  
 230 325 330 335  
 231 Tyr Asn Asn Leu Asp Ala Phe Gly Ile Met Asp Tyr Thr Leu Thr Gly  
 232 340 345 350  
 233 Lys Val Glu Asp Asn His Asp Asp Thr Asn Arg Ile Ile Thr Val Tyr  
 234 355 360 365  
 235 Met Gly Lys Arg Pro Glu Gly Glu Asn Ala Ser Tyr His Ala Tyr Asp  
 236 370 375 380  
 237 Lys Asp Arg Tyr Thr Glu Glu Glu Arg Glu Val Tyr Ser Tyr Leu Arg  
 238 385 390 395 400  
 239 Tyr Thr Gly Thr Pro Ile Pro Asp Asn Pro Asp Asp Lys  
 240 405 410  
 243 <210> SEQ ID NO: 13  
 244 <211> LENGTH: 4  
 245 <212> TYPE: PRT  
 246 <213> ORGANISM: Artificial Sequence  
 248 <220> FEATURE:  
 249 <223> OTHER INFORMATION: Synthetic polypeptide  
 251 <221> NAME/KEY: VARIANT  
 252 <222> LOCATION: 1  
 253 <223> OTHER INFORMATION: Xaa=Ser or Tyr

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Input Set : A:\50216.003004.SEQLIST.TXT  
Output Set: N:\CRF3\08132001\I919703.raw

255 <400> SEQUENCE: 13  
W--> 256 Xaa Val Asp Val  
257 1  
260 <210> SEQ ID NO: 14  
261 <211> LENGTH: 4  
262 <212> TYPE: PRT  
263 <213> ORGANISM: Artificial Sequence ✓  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
268 <221> NAME/KEY: VARIANT  
269 <222> LOCATION: 4  
270 <223> OTHER INFORMATION: Xaa=Glu or Asp  
272 <400> SEQUENCE: 14  
W--> 273 Val Asp Val Xaa  
274 1  
277 <210> SEQ ID NO: 15  
278 <211> LENGTH: 5  
279 <212> TYPE: PRT  
280 <213> ORGANISM: Artificial Sequence ✓  
282 <220> FEATURE:  
283 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
285 <221> NAME/KEY: VARIANT  
286 <222> LOCATION: 1  
287 <223> OTHER INFORMATION: Xaa=Ser or Tyr  
289 <221> NAME/KEY: VARIANT  
290 <222> LOCATION: 5  
291 <223> OTHER INFORMATION: Xaa=Glu or Asp  
293 <400> SEQUENCE: 15  
W--> 294 Xaa Val Asp Val Xaa  
295 1 5  
298 <210> SEQ ID NO: 16  
299 <211> LENGTH: 5  
300 <212> TYPE: PRT  
301 <213> ORGANISM: Artificial Sequence ✓  
303 <220> FEATURE:  
304 <223> OTHER INFORMATION: Synthetic polypeptide ✓  
306 <221> NAME/KEY: VARIANT  
307 <222> LOCATION: 4  
308 <223> OTHER INFORMATION: Xaa=Glu or Asp  
310 <221> NAME/KEY: VARIANT  
311 <222> LOCATION: 5  
312 <223> OTHER INFORMATION: Xaa=Tyr or Thr  
314 <400> SEQUENCE: 16  
W--> 315 Val Asp Val Xaa Xaa  
316 1 5

## VERIFICATION SUMMARY

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TIME: 11:41:50

Input Set : A:\50216.003004.SEQLIST.TXT  
Output Set: N:\CRF3\08132001\I919703.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16